IN THE CLAIMS:

1. (Canceled)

2. (Currently Amended) ~~An incubator hood~~ A process in accordance with claim ~~1~~ 8, wherein the ~~said~~ heating wires are connected in parallel.

3. (Currently Amended) ~~An incubator hood~~ A process in accordance with claim ~~1~~ 10, wherein one of the ~~said~~ temperature-dependent electric resistors is arranged in each of the ~~said~~ heating wires.

4. (Currently Amended) ~~An incubator hood~~ A process in accordance with claim ~~1~~ 10, wherein said temperature-dependent electric resistors are positive temperature coefficient (PTC) resistors.

5. (Currently Amended) ~~An incubator hood~~ A process in accordance with claim ~~1~~ 8, wherein said heating wires are arranged distributed uniformly in space in the incubator hood ~~base~~.

6. (Currently Amended) ~~An incubator hood~~ A process in accordance with claim ~~1~~ 8, wherein the incubator hood has vertical limiting surfaces or limiting surfaces extending sloped with respect to the horizontal.

7. (Withdrawn) A method of using an incubator for premature and newborn babies, the method comprising the steps of:

providing an incubator for premature and newborn babies with incubator hood;

providing a power supply;

providing heating wires which traverse the incubator hood;

connecting the wires to the power source; and

arranging temperature-dependent electric resistors in electrical connection with the heating wires to warm an incubator space and the premature and newborn babies.

8. (Original) A process for regulating the temperature of an incubator hood, the process comprising the steps of:

providing heating wires traversing the incubator hood

measuring values in the interior of the incubator with at least one measuring device;

sending the measured values to an evaluating and control unit, which forms a value for the dew point temperature in the incubator from the measured values;

regulating the temperature of the incubator hood by the evaluating and control unit and a circuit with a power source to a temperature value above the value formed for the dew point temperature using the heating wires connected to the power source.

9. (Original) A process in accordance with claim, 8, wherein the air temperature is measured with a first measuring means and the relative humidity of the air in the interior of the

incubator is measured with a second measuring means.

10. (Original) A process in accordance with claim, 8, wherein temperature-dependent electric resistors are arranged in the heating wires and are used to regulate the temperature.

11. (Original) A process in accordance with claim 8, wherein the temperature value to which the temperature of the incubator hood is regulated is about 1°C to 2°C above the value formed for the dew point temperature.

12. (New) A process for regulating the temperature of air in an incubator hood, the process comprising the steps of:

measuring a temperature of the air;

measuring a relative humidity of the air;

providing an evaluating and control unit;

sending the temperature and relative humidity to the evaluating and control unit,

operating the evaluating and control unit to form a value for a dew point temperature in the incubator from the temperature and humidity;

providing heating wires traversing the incubator hood;

operating the evaluating and control unit to power the heating wires and heat the incubator hood to a temperature above the dew point temperature.

13. (New) A process in accordance with claim 12, wherein:

said providing of the heating wires includes arranging temperature-dependent electric resistors in the heating wires.

14. (New) A process in accordance with claim 13, wherein:

the electric resistor include positive temperature coefficient (PTC) resistors.

15. (New) A process in accordance claim 12, wherein:

said providing of the heating wires includes distributing the heating wires substantially uniformly in space in the incubator hood.

16. (New) A process in accordance claim 14, wherein:

said providing of the heating wires includes distributing the heating wires substantially uniformly in space in the incubator hood.

17. (New) A process in accordance claim 12, wherein:

said operating of the evaluating and control unit to heat the incubator hood includes heating the incubator hood to a temperature 1 degree Celsius to 2 degrees Celsius above the dew point temperature.

18. (New) A process in accordance claim 13, wherein:

said operating of the evaluating and control unit to heat the incubator hood includes heating the incubator hood to a temperature 1 degree Celsius to 2 degrees Celsius above the dew point temperature.

19. (New) A process in accordance claim 14, wherein:

said operating of the evaluating and control unit to heat the incubator hood includes heating the incubator hood to a temperature 1 degree Celsius to 2 degrees Celsius above the dew point temperature.

20. (New) A process in accordance claim 15, wherein:

said operating of the evaluating and control unit to heat the incubator hood includes heating the incubator hood to a temperature 1 degree Celsius to 2 degrees Celsius above the dew point temperature.

21. (New) A process in accordance claim 16, wherein:

said operating of the evaluating and control unit to heat the incubator hood includes heating the incubator hood to a temperature 1 degree Celsius to 2 degrees Celsius above the dew point temperature.